ABSTRACT

A DEVICE FOR CONTROLLING AN ELECTRONICALLY SWITCHED MOTOR COMPRISING ANGULARLY DISTRIBUTED SINGULARITIES

The invention relates to a device for controlling an electronically switched motor comprising a coder (2) provided with a main multipole track (2a) and a so-called "revolution pip" multipole track (2b), the said tracks each comprising N identical sectors (2c) angularly distributed respectively over the entire circumference of the said tracks, the sectors (2c) of the revolution pip track (2b) each comprising M angularly distributed singularities (2b1), the M singularities (2b1) being distributed angularly so that the revolution pip signal (C) is arranged so as, in combination with the signals A and B, to define binary sequences of angular length less than that of the sectors (2c) and which represent the absolute angular position of the coder (2) on a sector (2c).

The invention also relates to a bearing and a motor equipped with such a device, as well as a method for controlling such a motor.

Figure 1.